Error List

1 Babytherm 8004/8010 Error List

- Click on an error code to jump to relevant description of the error code.

Micro-controller errors cause a program abort. Other errors cause a program abort only after they have occurred several times. All errors and their occurrence are written in the error log.

Error codes shown on the text display

"Acc"	"17"	"40"	"63"	"86"
"01"	"18"	"41"	"64"	"87"
"02"	"20"	"42"	"65"	"88"
"03"	"21"	"43"	"66"	"89"
"04"	"22"	"44"	"67"	"90"
"05"	"23"	"50"	"68"	"91"
"06"	"24"	"51"	"69"	"92"
"08"	"25"	"53"	"70"	"93"
"10"	"26"	"54"	"71"	"94"
"11"	"30"	"55"	"80"	"95"
"12"	"31"	"56"	"81"	
"13"	"32"	"57"	"82"	
"14"	"33"	"58"	"83"	
"15"	"34"	"59"	"84"	
"16"	"35"	"60"	"85"	

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Error	Cause	Corrective Measure
Acc	The GoldCap capacitor on the WT Power PCB or the charging circuit of the GoldCap capacitor on the WT Power PCB is defective.	• Check the WT Power PCB as follows: – Repair Instructions: "Checking the WT Power PCB" – DrägerService Mode: "Mode d07: Displaying the GoldCap Voltage" • Replace the WT Power PCB, see Repair Instructions: "Replacing the WT Power PCB".
	The GoldCap capacitor charging voltage ON/OFF switching element (located on the WT Controller PCB or the A/D channel "VIN7" on the WT Controller PCB is defective.	• Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB".

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Error	Cause	Corrective Measure
01	The supply voltage on the WT Sensor PCB is not available. The micro-controller of the WT Controller PCB cannot read the +5V supply voltage and the reference voltage. The DC/DC converter for the 5V supply voltage on the WT Sensor PCB is defective. The +5V supply voltage is outside tolerance (tolerance range: 2 V to 7 V).	• Check the WT Sensor PCB using the DrägerService Mode: "Mode d10: Displaying WT Sensor PCB Voltage". • Replace the WT Sensor PCB, see Repair Instructions: "Replacing the WT Sensor PCB".
	A supply voltage on the WT Power PCB is not available.	• Check the WT Power PCB using the Repair Instructions: "Checking the WT Power PCB". • Replace the WT Power PCB, see Repair Instructions: "Replacing the WT Power PCB".
	Communication with the WT Controller PCB is disturbed. No measured values are displayed.	• Check communication in the DrägerService Mode: tests d03 through d06, d08, d16 and d17. • Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB". • Check the following cable connections: – WT Sensor PCB to control unit – Control unit to WT Power PCB – WT Power PCB to WT Controller PCB. • Fix or replace the defective cable connection.

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Error	Cause	Corrective Measure
02	Skin-temperature measurement of WT Sensor PCB is faulty. The micro-controller of the WT Controller PCB has compared the skin-temperature values and detected an error.	• Check communication in the DrägerService Mode: tests d03 through d06, d08, d16 and d17. • Replace the WT Sensor PCB, see Repair Instructions: "Replacing the WT Sensor PCB".
	Short-circuit fault in a skin-temperature sensor.	• Check or replace skin-temperature sensors.
	The cable connection from the skin-temperature sensor to the WT Sensor PCB is defective.	• Fix or replace the cable connection.
	The WT Sensor PCB is defective.	• Check the WT Sensor PCB in the DrägerService Mode as follows: – "Mode d16: Displaying the Skin Temperature Channel 1 and the Reference Value" – "Mode d17: Displaying the Skin Temperature Channel 2 and the Reference Value". • Replace the WT Sensor PCB, see Repair Instructions: "Replacing the WT Sensor PCB".
	Communication with the WT Controller PCB is disturbed. No measured values are displayed.	• Check communication in the DrägerService Mode: tests d03 through d06, d08, d16 and d17. • Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB". • Check the following cable connections: – WT Sensor PCB to control unit – Control unit to WT Power PCB – WT Power PCB to WT Controller PCB • Fix or replace the defective cable connection.

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Error	Cause	Corrective Measure
03	The skin-temperature reference channel 1 on the WT Sensor PCB is faulty. During the 10-minute test, the micro-controller detects that the value of skin-temperature channel 1 is outside tolerance.	• Check the WT Sensor PCB using the DrägerService Mode: "Mode d16: Displaying the Skin Temperature Channel 1 and the Reference Value". • Replace the WT Sensor PCB, see Repair Instructions: "Replacing the WT Sensor PCB". • Check the following cable connections: – WT Sensor PCB to control unit – Control unit to WT Power PCB – WT Power PCB to WT Controller PCB • Fix or replace the defective cable connection.
	Communication with the WT Controller PCB is disturbed. No measured values are displayed.	• Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB". • Replace the WT Power PCB, see Repair Instructions: "Replacing the WT Power PCB".

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Error	Cause	Corrective Measure
04	The skin-temperature reference channel 2 on the WT Sensor PCB is faulty. During the 10-minute test, the micro-controller detects that the value of skin-temperature channel 2 is outside tolerance.	• Check the WT Sensor PCB using the DrägerService Mode: "Mode d17: Displaying the Skin Temperature Channel 2 and the Reference Value". • Replace the WT Sensor PCB, see Repair Instructions: "Replacing the WT Sensor PCB". • Check the following cable connections: – WT Sensor PCB to control unit – Control unit to WT Power PCB – WT Power PCB to WT Controller PCB • Fix or replace the defective cable connection.
	Communication with the WT Controller PCB is disturbed. No measured values are displayed.	• Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB". • Replace the WT Power PCB, see Repair Instructions: "Replacing the WT Power PCB".

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Error	Cause	Corrective Measure
05	The skin temperature analog switch 1 on the WT Sensor PCB is defective. The micro-controller of the WT Controller PCB has detected a signal although the measuring signal and the reference signal of the skin-temperature channel 1 are switched off.	• Check the WT Sensor PCB using the DrägerService Mode: "Mode d16: Displaying the Skin Temperature Channel 1 and the Reference Value". • Replace the WT Sensor PCB, see Repair Instructions: "Replacing the WT Sensor PCB". • Check the following cable connections: – WT Sensor PCB to control unit – Control unit to WT Power PCB – WT Power PCB to WT Controller PCB • Fix or replace the defective cable connection.
	Communication with the WT Controller PCB is disturbed.	• Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB". • Replace the WT Power PCB, see Repair Instructions: "Replacing the WT Power PCB".

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Error	Cause	Corrective Measure
06	The skin temperature analog switch 2 on the WT Sensor PCB is defective. The micro-controller of the WT Controller PCB has detected a signal although the measuring signal and the reference signal of the skin-temperature channel 2 are switched off.	• Check the WT Sensor PCB using the DrägerService Mode: "Mode d17: Displaying the Skin Temperature Channel 2 and the Reference Value". • Replace the WT Sensor PCB, see Repair Instructions: "Replacing the WT Sensor PCB". • Check the following cable connections: – WT Sensor PCB to control unit – Control unit to WT Power PCB – WT Power PCB to WT Controller PCB • Fix or replace the defective cable connection.
	Communication with the WT Controller PCB is disturbed.	• Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB". • Replace the WT Power PCB, see Repair Instructions: "Replacing the WT Power PCB".
08	Read error during configuration.	———————————
10	The EPROM (D2) on the WT Controller PCB or the WT Controller PCB is defective. The error has been detected during the self-test.	• Check the WT Controller PCB using the Repair Instructions: "Checking the WT Controller PCB". • Replace EPROM (D2) on the WT Controller PCB: "General Information About the WT Controller PCB" • Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB".

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Error	Cause	Corrective Measure
11	The EPROM (D2) on the WT Controller PCB or the WT Controller PCB is defective. A checksum error has been detected during operation.	• Check the WT Controller PCB using the Repair Instructions: "Checking the WT Controller PCB". • Replace EPROM (D2) on the WT Controller PCB: "General Information About the WT Controller PCB". • Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB".
12	The RAM or the WT Controller PCB is defective. The error has been detected during the self-test.	• Check the WT Controller PCB using the Repair Instructions: "Checking the WT Controller PCB". • Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB".

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13	Software, RAM, or WT Controller PCB error. A value has been stored incorrectly in the RAM.	• Check the WT Controller PCB using the Repair Instructions: "Checking the WT Controller PCB". • If error 13 has occurred several times, replace the WT Controller PCB. Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB".
	External interference due to electrostatics.	• Remove external interference due to electrostatics.
14	Error in program sequence on the WT Controller PCB. EPROM (D2) or the WT Controller PCB is defective.	• Check the WT Controller PCB using the Repair Instructions: "Checking the WT Controller PCB". • Replace EPROM (D2) on the WT Controller PCB, see Repair Instructions: "General Information About the WT Controller PCB". • Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB".
15	The EEPROM or the WT Controller PCB is defective. The error has been detected during the self-test.	• Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB".
16	Watchdog 1 on the WT Controller PCB is defective.	• Check the WT Controller PCB using the DrägerService Mode: "Mode d11: Displaying the Time of Watchdog 1". • Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB".
17	Watchdog 2 on the WT Controller PCB is defective.	• Check the WT Controller PCB using the DrägerService Mode: "Mode d12: Displaying the Time of Watchdog 2". • Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB".
18	Analog error. Several analog inputs of the A/D converter on the WT Sensor PCB have a short-circuit fault.	• Check the WT Sensor PCB using the DrägerService Mode: tests d03 through d10, d16 and d17. • Replace the WT Sensor PCB, see Repair Instructions: "Replacing the WT Sensor PCB".

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Error	Cause	Corrective Measure
20	Temperature measurement of the mattress heater on the WT Sensor PCB is faulty. The micro-controller has detected that the value of the mattress temperature measurement channel 1 (value of mattress temperature measurement channel = 41.6 °C) is outside tolerance.	• Check the WT Sensor PCB using the DrägerService Mode: "Mode d03: Testing the Mattress Temperature Channel 1 (Babytherm 8010)". • Replace the WT Sensor PCB, see Repair Instructions: "Replacing the WT Sensor PCB".
21	Temperature measurement of the mattress heater on the WT Sensor PCB is faulty. The micro-controller has detected that the value of the mattress temperature measurement channel 3 (value of mattress temperature measurement channel = 41.6 °C) is outside tolerance.	• Check the WT Sensor PCB using the DrägerService Mode: "Mode d05: Testing the Mattress Temperature Channel 3 (Babytherm 8010)". • Replace the WT Sensor PCB, see Repair Instructions: "Replacing the WT Sensor PCB".
22	The excess-temperature comparator on the WT Sensor PCB is faulty. The micro-controller switches the temperature channel 1 to test resistance (41.6 °C). The micro-controller has detected that the excess-temperature comparator has not switched. The WT Controller PCB is defective.	• Check the WT Sensor PCB using the DrägerService Mode: "Mode d03: Testing the Mattress Temperature Channel 1 (Babytherm 8010)". • Replace the WT Sensor PCB, see Repair Instructions: "Replacing the WT Sensor PCB". • Check the WT Controller PCB using the Repair Instructions: "Checking the WT Controller PCB". • Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB".

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Error	Cause	Corrective Measure
23	The excess-temperature comparator on the WT Sensor PCB is faulty. The micro-controller switches the temperature channel 3 to test resistance (41.6 °C). The micro-controller has detected that the excess-temperature comparator has not switched.	• Check the WT Sensor PCB using the DrägerService Mode: "Mode d05: Testing the Mattress Temperature Channel 3 (Babytherm 8010)". • Replace the WT Sensor PCB, see Repair Instructions: "Replacing the WT Sensor PCB".
	The WT Controller PCB is defective.	• Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB".
24	The reference voltage of the A/D test channel on the WT Controller PCB is outside tolerance.	• Check the WT Controller PCB using the DrägerService Mode: "Mode d08: Displaying the Analog-to-Digital Converter Test Channel". • Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB".
	The WT Power PCB is defective.	• Replace the WT Power PCB, see Repair Instructions: "Replacing the WT Power PCB".
25	The GoldCap capacitor or the charging circuit of the GoldCap capacitor on the WT Power PCB is defective.	• Check the WT Power PCB: – Repair Instructions: "Checking the WT Power PCB". – DrägerService Mode: "Mode d07: Displaying the GoldCap Voltage". • Replace the WT Power PCB, see Repair Instructions: "Replacing the WT Power PCB".
	The GoldCap capacitor charging circuit ON/OFF switching element or the A/D channel "VIN7" on the WT Controller PCB is defective.	• Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB".
26	The power supply to the 5V LED or the analog switch on the WT Power PCB is faulty.	• Check the LED voltage on the WT Power PCB in the DrägerService Mode: "Mode d09: Displaying the LED Voltage". • Measure the LED voltage "5 VLED", see Repair Instructions: "Checking the WT Power PCB". • Replace the WT Power PCB, see Repair Instructions: "Replacing the WT Power PCB".

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Error	Cause	Corrective Measure
	The A/D converter channel "VIN7" on the WT Controller PCB is defective.	• Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB".
30	The safety relay (K301) or the feedback signal of the WT Power PCB is faulty.	Check the safety relay (K301) as follows: • DrägerService Mode: Select "Mode d13: Testing the Solid State Relay of the Mattress Heater (Babytherm 8010)" and switch safety relay on; to do so, press the Check key. • DrägerService Mode: Select "Mode d13: Testing the Solid State Relay of the Mattress Heater (Babytherm 8010)" and switch safety relay off; to do so, press the Check key. • DrägerService Mode: Select "Mode d14: Switching the Mattress Heater On/Off (Babytherm 8010)" and switch mattress heater on; to do so, press the Check key. If in the DS Mode, test d14, the mattress heater feedback signal "Heater on" is displayed, the WT Power PCB is defective. • Check the WT Power PCB, see Repair Instructions: "Checking the WT Power PCB". • Replace the WT Power PCB, see Repair Instructions: "Replacing the WT Power PCB".
	Reading of acknowledgment signal on the WT Controller PCB is faulty.	• Check the WT Controller PCB using the Repair Instructions: "Checking the WT Controller PCB". • Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB".

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Error	Cause	Corrective Measure
31	The mattress heater cannot be switched off. The safety relay (K301), the Triac control, the Triac, or the feedback signal of the WT Power PCB is faulty.	Check the safety relay (K301) as follows: • DrägerService Mode: Select "Mode d13: Testing the Solid State Relay of the Mattress Heater (Babytherm 8010)" and switch safety relay on; to do so, press the Check key. • DrägerService Mode: Select "Mode d13: Testing the Solid State Relay of the Mattress Heater (Babytherm 8010)" and switch safety relay off; to do so, press the Check key. • DrägerService Mode: Select "Mode d14: Switching the Mattress Heater On/Off (Babytherm 8010)" and switch mattress heater on; to do so, press the Check key. If in the DS Mode, test d14, the mattress heater feedback signal "Heater on" is displayed, the WT Power PCB is defective. • Check the WT Power PCB, see Repair Instructions: "Checking the WT Power PCB". • Replace the WT Power PCB, see "Replacing the WT Power PCB".
	The mattress heater feedback signal on the WT Controller PCB is faulty.	• Check the WT Controller PCB using the Repair Instructions: "Checking the WT Controller PCB". • Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB".

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Error	Cause	Corrective Measure
32	The mattress heater cannot be switched on.	
	The fuse (F11) on the WT Power PCB is defective.	• Replace the fuse (F11) on the WT Power PCB, see Repair Instructions: "Checking the WT Power PCB".
	The mattress heater is not connected.	• Checking the mattress heater, see error number ""70"".
	The safety relay (K301), the Triac control, the Triac, or the feedback signal of the mattress heater on the WT Power PCB is faulty.	Check the safety relay (K301) as follows: • DrägerService Mode: Select "Mode d13: Testing the Solid State Relay of the Mattress Heater (Babytherm 8010)" and switch safety relay on. • DrägerService Mode: Select "Mode d14: Switching the Mattress Heater On/Off (Babytherm 8010)" and switch mattress heater on. If in the DS Mode, test d14, the mattress heater feedback signal "Heater off" is displayed, the WT Power PCB is defective. • Check the WT Power PCB, see Repair Instructions: "Checking the WT Power PCB". • Replace the WT Power PCB, see Repair Instructions: "Replacing the WT Power PCB".
	The WT Controller PCB is defective.	• Check the WT Controller PCB using the Repair Instructions: "Checking the WT Controller PCB". • Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB".

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Error	Cause	Corrective Measure
33	The safety relay (K4) of the mattress heater or the feedback signal of the WT Relay PCB is faulty.	Check the safety relay (K4) as follows: • Open the control unit, see Repair Instructions: "Opening the Control Unit". • DrägerService Mode: Select "Mode d18: Testing the Solid State Relay of the Radiant Heater" and switch safety relay on. The LED "safety relay (infrared rods)" on the WT Relay PCB is on. • DrägerService Mode: Select "Mode d19: Switching the Radiant Heater On/Off" and switch radiant heater on. The LEDs "infrared rods (control)" and "infrared rods (feedback)" on the WT Relay PCB are flashing. • DrägerService Mode: Select "Mode d18: Testing the Solid State Relay of the Radiant Heater" and switch safety relay off. The LED "safety relay (infrared rods)" on the WT Relay PCB has gone off. • If the LED "safety relay (infrared rods)" has not gone off, replace the WT Power PCB or the WT Controller PCB. • DrägerService Mode: Select "Mode d19: Switching the Radiant Heater On/Off" and switch radiant heater on. If in the DS Mode, test d19, the radiant heater feedback signal "Heater on" is displayed, the WT Relay PCB is defective. Replace the WT Relay PCB, see "Replacing the WT Relay PCB". • If the LED "infrared rods (feedback)" has come on, replace the WT Relay PCB, see "Replacing the WT Relay PCB". • If the LED "infrared rods (feedback)" has gone off, replace the WT Power PCB or the WT Controller PCB.

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Error	Cause	Corrective Measure
34	The radiant heater cannot be switched off. The safety relay (K4) of the radiant heater, the Triac control, the Triac, the feedback signal of the radiant heater, or the WT Relay PCB is faulty.	Check the safety relay (K4) as follows: • Open the control unit, see Repair Instructions: "Opening the Control Unit". • DrägerService Mode: Select "Mode d18: Testing the Solid State Relay of the Radiant Heater" and switch safety relay on. The LED "safety relay (infrared rods)" on the WT Relay PCB has come on. • DrägerService Mode: Select "Mode d19: Switching the Radiant Heater On/Off" and switch radiant heater on. The LEDs "infrared rods (control)" and "infrared rods (feedback)" on the WT Relay PCB are flashing. • DrägerService Mode: Select "Mode d18: Testing the Solid State Relay of the Radiant Heater" and switch safety relay off. The LED "safety relay (infrared rods)" on the WT Relay PCB has gone off. • If the LED "safety relay (infrared rods)" has not gone off, replace the WT Power PCB or the WT Controller PCB. • DrägerService Mode: Select "Mode d19: Switching the Radiant Heater On/Off" and switch radiant heater on. If in the DS Mode, test d19, the radiant heater feedback signal "Heater on" is displayed, the WT Relay PCB is defective. Replace the WT Relay PCB, see "Replacing the WT Relay PCB". • If the LED "infrared rods (feedback)" has come on, replace the WT Relay PCB, see "Replacing the WT Relay PCB". • If the LED "infrared rods (feedback)" has gone off, replace the WT Power PCB or the WT Controller PCB.
	The radiant heater feedback signal on the WT Controller PCB is faulty.	• Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB".

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Error	Cause	Corrective Measure
35	The radiant heater has not been switched on or cannot be switched on.	
	The fuse (F1) on the WT Relay PCB is defective.	• Check the fuse (F1), which located on the rear panel of the control unit, and replace it, if necessary.
	The safety relay (K4), the Triac control, the Triac, the feedback signal of the radiant heater, or the WT Relay PCB is faulty.	Check the safety relay (K4) as follows: • Open the control unit, see Repair Instructions: "Opening the Control Unit". • DrägerService Mode: Select "Mode d18: Testing the Solid State Relay of the Radiant Heater" and switch safety relay on. The LED "safety relay (infrared rods)" on the WT Relay PCB has come on. • DrägerService Mode: Select "Mode d19: Switching the Radiant Heater On/Off" and switch radiant heater on. The LEDs "infrared rods (control)" and "infrared rods (feedback)" on the WT Relay PCB are flashing. • If the LED "infrared rods (feedback)" does not flash, replace the WT Relay PCB, see Repair Instructions: "Replacing the WT Relay PCB". • If the LEDs "infrared rods (feedback)" and "infrared rods (feedback" do not flash, replace the WT Power PCB or the WT Controller PCB.
	The WT Controller PCB is defective.	• Check the WT Controller PCB using the Repair Instructions: "Checking the WT Controller PCB". • Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB".
	The WT Power PCB is defective.	• Replace the WT Power PCB, see Repair Instructions: "Replacing the WT Power PCB".

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Error	Cause	Corrective Measure
40	Deviations between write and read data have occurred.	
	Text display is faulty.	• Check the text display using the DrägerService Mode "Mode c08: Adjusting the Contrast of the Text Display". • Replace the text display, see Repair instructions "Replacing the Text Display".
	The WT Controller PCB is defective.	• Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB".
41	Software error (text is too long)	• Inform the "pediatrics department" MT-DS-TS.
42	Software error (wrong character set)	• Inform the "pediatrics department" MT-DS-TS.
43	Software error (unknown character)	• Inform the "pediatrics department" MT-DS-TS.
44	Software error (error while displaying text)	• Inform the "pediatrics department" MT-DS-TS.
50	The keypad and display controller (D35) on the WT Front PCB is faulty.	
	The WT Front PCB is defective.	• Replace the WT Front PCB, see Repair Instructions "Replacing the WT Front PCB".
	The WT Controller PCB is defective.	• Replace the WT Controller PCB, see Repair Instructions "Replacing the WT Controller PCB".
51	Wrong key detected.	
	The WT Front PCB is defective.	• Check the WT Front PCB, see DrägerService Mode: "Mode c05: Testing the Keyboard". • Replace the WT Front PCB or the membrane keypad, see Repair Instructions: "Replacing the WT Front PCB".
	External interference.	• Remove external interference.

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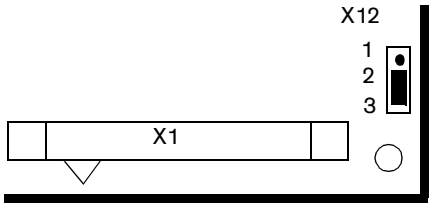
Error	Cause	Corrective Measure
53	The service jumper on the WT Controller PCB is in the wrong position.	• Place service jumper in the correct position (pin 2-3), see the following figure. 
	The WT Controller PCB is defective.	• Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB".
54	The "worklight" key is stuck or defective.	• Check key in the DrägerService Mode: "Mode c05: Testing the Keyboard" . • Replace the membrane keypad, if necessary.
	The WT Front PCB is defective.	• Replace the WT Front PCB, see Repair Instructions "Replacing the WT Front PCB".
55	The "nightlight" key is stuck or defective.	• Check key in the DrägerService Mode: "Mode c05: Testing the Keyboard" . • Replace the membrane keypad, if necessary.
	The WT Front PCB is defective.	• Replace the WT Front PCB, see Repair Instructions "Replacing the WT Front PCB".
56	The "phototherapy" key is stuck or defective.	• Check key in the DrägerService Mode: "Mode c05: Testing the Keyboard" . • Replace the membrane keypad, if necessary.
	The WT Front PCB is defective.	• Replace the WT Front PCB, see Repair Instructions "Replacing the WT Front PCB".
57	The "Check" key is stuck or defective.	• Check key in the DrägerService Mode: "Mode c05: Testing the Keyboard" . • Replace the membrane keypad, if necessary.
	The WT Front PCB is defective.	• Replace the WT Front PCB, see Repair Instructions "Replacing the WT Front PCB".
58	The "alarm stop" key is stuck or defective.	• Check key in the DrägerService Mode: "Mode c05: Testing the Keyboard" . • Replace the membrane keypad, if necessary.

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	The WT Front PCB is defective.	• Replace the WT Front PCB, see Repair Instructions "Replacing the WT Front PCB".
59	The "plus temp. mattress heater" key is stuck or defective.	• Check key in the DrägerService Mode: "Mode c05: Testing the Keyboard" . • Replace the membrane keypad, if necessary.
	The WT Front PCB is defective.	• Replace the WT Front PCB, see Repair Instructions "Replacing the WT Front PCB".
60	The "minus temp. mattress heater" key is stuck or defective.	• Check key in the DrägerService Mode: "Mode c05: Testing the Keyboard" . • Replace the membrane keypad, if necessary.
	The WT Front PCB is defective.	• Replace the WT Front PCB, see Repair Instructions "Replacing the WT Front PCB".
61	The "plus skin temperature" key is stuck or defective.	• Check key in the DrägerService Mode: "Mode c05: Testing the Keyboard" . • Replace the membrane keypad, if necessary.
	The WT Front PCB is defective.	• Replace the WT Front PCB, see Repair Instructions "Replacing the WT Front PCB".
62	The "minus skin temperature" key is stuck or defective.	• Check key in the DrägerService Mode: "Mode c05: Testing the Keyboard" . • Replace the membrane keypad, if necessary.
	The WT Front PCB is defective.	• Replace the WT Front PCB, see Repair Instructions "Replacing the WT Front PCB".
63	The "plus radiant heater" key is stuck or defective.	• Check key in the DrägerService Mode: "Mode c05: Testing the Keyboard" . • Replace the membrane keypad, if necessary.
	The WT Front PCB is defective.	• Replace the WT Front PCB, see Repair Instructions "Replacing the WT Front PCB".
64	The "minus radiant heater" key is stuck or defective.	• Check key in the DrägerService Mode: "Mode c05: Testing the Keyboard" . • Replace the membrane keypad, if necessary.
	The WT Front PCB is defective.	• Replace the WT Front PCB, see Repair Instructions "Replacing the WT Front PCB".

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Error	Cause	Corrective Measure
65	The "skin/man selection" key is stuck or defective.	• Check key in the DrägerService Mode: "Mode c05: Testing the Keyboard" . • Replace the membrane keypad, if necessary.
	The WT Front PCB is defective.	• Replace the WT Front PCB, see Repair Instructions "Replacing the WT Front PCB".
66	The "OK" key is stuck or defective.	• Check key in the DrägerService Mode: "Mode c05: Testing the Keyboard" . • Replace the membrane keypad, if necessary.
	The WT Front PCB is defective.	• Replace the WT Front PCB, see Repair Instructions "Replacing the WT Front PCB".
67	The "radiant heater on" key is stuck or defective.	• Check key in the DrägerService Mode: "Mode c05: Testing the Keyboard" . • Replace the membrane keypad, if necessary.
	The WT Front PCB is defective.	• Replace the WT Front PCB, see Repair Instructions "Replacing the WT Front PCB".
68	– not applicable –	
69	– not applicable –	
70	The mattress heater is not switched on.	
	The fuse "F11" (24 VAC) is defective.	• Check fuse "F11"; if necessary, replace fuse on WT Power PCB.
	The WT Controller PCB is defective.	• Select "Mode d14: Switching the Mattress Heater On/Off (Babytherm 8010)" and switch mattress heater on. • If the control and feedback signal of the mattress heater is present in the DrägerService Mode, replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB".

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Error	Cause	Corrective Measure
	The WT Power PCB, the cable connection to the mattress heater, or hat mattress heater is defective.	• If the control and feedback signal of the mattress heater is not present in the DrägerService Mode, check the mattress heater using the Repair Instructions: "Checking the Mattress Control Using Uniboard 40 (Babytherm 8010)", if necessary, replace the WT Power PCB, see Repair Instructions "Replacing the WT Power PCB".

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Error	Cause	Corrective Measure
71	The radiant heater is not switched on.	
	The fuse "F1" is defective.	• Check the fuse "F1", which is located on the rear panel of the control unit, and replace it, if necessary.
	The WT Relay PCB or the cable connection to the radiant heater is defective.	Check the safety relay (K4) as follows: • Open the control unit, see Repair Instructions: "Opening the Control Unit". • DrägerService Mode: Select "Mode d18: Testing the Solid State Relay of the Radiant Heater" and switch safety relay on. The LED "safety relay (infrared rods)" on the WT Relay PCB has come on. • DrägerService Mode: Select "Mode d19: Switching the Radiant Heater On/Off" and switch radiant heater on. The LEDs "infrared rods (control)" and "infrared rods (feedback)" on the WT Relay PCB are flashing. • If the LED "infrared rods (feedback)" does not flash, check the infrared rods using the Repair Instructions, see "Checking the Infrared Rods", and replace the infrared rods, if necessary. • If the infrared rods are OK, replace the WT Relay PCB, see Repair Instructions: "Replacing the WT Relay PCB". • If the LEDs "infrared rods (feedback)" and "infrared rods (feedback)" do not flash, replace the WT Power PCB or the WT Controller PCB.
	The WT Controller PCB is defective.	• Replace the WT Controller PCB, see Repair Instructions: "Replacing the WT Controller PCB".
	The WT Power PCB is defective.	• Replace the WT Power PCB, see Repair Instructions: "Replacing the WT Power PCB".

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Error	Cause	Corrective Measure
80	The mattress temperature value is too low.	
	The temperature sensor 1 (1st NTC) of the mattress heater or the cable connection from the temperature sensors to the WT Sensor PCB is defective.	• Replace temperature sensor 1.
	The WT Sensor PCB is defective.	• Check the WT Sensor PCB using the DrägerService Mode: "Mode d03: Testing the Mattress Temperature Channel 1 (Babytherm 8010)". • Replace the WT Sensor PCB, see Repair Instructions: "Replacing the WT Sensor PCB".
81	The mattress temperature value is too low.	
	The temperature sensor 1 (2nd NTC) of the mattress heater or the cable connection from the temperature sensors to the WT Sensor PCB is defective.	• Replace temperature sensor 1.
	The WT Sensor PCB is defective.	• Check the WT Sensor PCB using the DrägerService Mode: "Mode d04: Testing the Mattress Temperature Channel 2 (Babytherm 8010)". • Replace the WT Sensor PCB, see Repair Instructions: "Replacing the WT Sensor PCB".

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Error	Cause	Corrective Measure
82	The mattress temperature value is too low.	
	The temperature sensor 2 (1st NTC) of the mattress heater or the cable connection from the temperature sensors to the WT Sensor PCB is defective.	• Replace temperature sensor 2.
	The WT Sensor PCB is defective.	• Check the WT Sensor PCB using the DrägerService Mode: "Mode d05: Testing the Mattress Temperature Channel 3 (Babytherm 8010)". • Replace the WT Sensor PCB, see Repair Instructions: "Replacing the WT Sensor PCB".
83	The mattress temperature value is too low.	
	The temperature sensor 2 (2nd NTC) of the mattress heater or the cable connection from the temperature sensors to the WT Sensor PCB is defective.	• Replace temperature sensor 2.
	The WT Sensor PCB is defective.	• Check the WT Sensor PCB using the DrägerService Mode: "Mode d06: Testing the Mattress Temperature Channel 4 (Babytherm 8010)". • Replace the WT Sensor PCB, see Repair Instructions: "Replacing the WT Sensor PCB".
84	The mattress temperature value is too high.	
	The temperature sensor 1 (1st NTC) of the mattress heater or the cable connection from the temperature sensors to the WT Sensor PCB is defective.	• Replace temperature sensor 1.
	The WT Sensor PCB is defective.	• Check the WT Sensor PCB using the DrägerService Mode: "Mode d03: Testing the Mattress Temperature Channel 1 (Babytherm 8010)". • Replace the WT Sensor PCB, see Repair Instructions: "Replacing the WT Sensor PCB".

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Error	Cause	Corrective Measure
85	The mattress temperature value is too high.	
	The temperature sensor 1 (2nd NTC) of the mattress heater or the cable connection from the temperature sensors to the WT Sensor PCB is defective.	• Replace temperature sensor 1.
	The WT Sensor PCB is defective.	• Check the WT Sensor PCB using the DrägerService Mode: "Mode d04: Testing the Mattress Temperature Channel 2 (Babytherm 8010)". • Replace the WT Sensor PCB, see Repair Instructions: "Replacing the WT Sensor PCB".
86	The mattress temperature value is too high.	
	The temperature sensor 2 (1st NTC) of the mattress heater or the cable connection from the temperature sensors to the WT Sensor PCB is defective.	• Replace temperature sensor 2.
	The WT Sensor PCB is defective.	• Check the WT Sensor PCB using the DrägerService Mode: "Mode d05: Testing the Mattress Temperature Channel 3 (Babytherm 8010)". • Replace the WT Sensor PCB, see Repair Instructions: "Replacing the WT Sensor PCB".
87	The mattress temperature value is too high.	
	The temperature sensor 2 (2nd NTC) of the mattress heater or the cable connection from the temperature sensors to the WT Sensor PCB is defective.	• Replace temperature sensor 2.
	The WT Sensor PCB is defective.	• Check the WT Sensor PCB using the DrägerService Mode: "Mode d06: Testing the Mattress Temperature Channel 4 (Babytherm 8010)". • Replace the WT Sensor PCB, see Repair Instructions: "Replacing the WT Sensor PCB".

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Error	Cause	Corrective Measure
88	The mattress temperature values are too high.	
	Temperature measurement on the WT Sensor PCB is faulty.	• Check the WT Sensor PCB using the DrägerService Mode: – "Mode d03: Testing the Mattress Temperature Channel 1 (Babytherm 8010)" – "Mode d04: Testing the Mattress Temperature Channel 2 (Babytherm 8010)" • Replace the WT Sensor PCB, see Repair Instructions: "Replacing the WT Sensor PCB".
	Short-circuit between NTCs in temperature sensor 1 of the mattress heater or the cable connection from the temperature sensors to the WT Sensor PCB is defective.	• Check temperature sensors and replace them, if necessary.
89	The mattress temperature values are too high.	
	Temperature measurement on the WT Sensor PCB is faulty.	• Check the WT Sensor PCB using the DrägerService Mode: – "Mode d05: Testing the Mattress Temperature Channel 3 (Babytherm 8010)" – "Mode d06: Testing the Mattress Temperature Channel 4 (Babytherm 8010)". • Replace the WT Sensor PCB, see Repair Instructions: "Replacing the WT Sensor PCB".
	Short-circuit between NTCs in temperature sensor 2 of the mattress heater or the cable connection from the temperature sensors to the WT Sensor PCB is defective.	• Check temperature sensors and replace them, if necessary.

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Error	Cause	Corrective Measure
90	The temperature difference between the NTCs of temperature sensor 1 is greater than 0.5 °C.	
	Temperature measurement on the WT Sensor PCB is faulty.	• Check the WT Sensor PCB using the DrägerService Mode: – "Mode d03: Testing the Mattress Temperature Channel 1 (Babytherm 8010)" – "Mode d04: Testing the Mattress Temperature Channel 2 (Babytherm 8010)". • Replace the WT Sensor PCB, see Repair Instructions: "Replacing the WT Sensor PCB".
	Temperature sensor 1 of the mattress heater or the cable connection from the temperature sensors to the WT Sensor PCB is defective.	• Check temperature sensors and replace them, if necessary.
91	The temperature difference between the NTCs of temperature sensor 2 is greater than 0.5 °C.	
	Temperature measurement on the WT Sensor PCB is faulty.	• Check the WT Sensor PCB using the DrägerService Mode: – "Mode d05: Testing the Mattress Temperature Channel 3 (Babytherm 8010)" – "Mode d06: Testing the Mattress Temperature Channel 4 (Babytherm 8010)". • Replace the WT Sensor PCB, see Repair Instructions: "Replacing the WT Sensor PCB".
	Temperature sensor 2 of the mattress heater or the cable connection from the temperature sensors to the WT Sensor PCB is defective.	• Check temperature sensors and replace them, if necessary.

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Error	Cause	Corrective Measure
92	The temperature difference between the mattress temperature sensors 1 and 2 is greater than 5 °C. If errors 90 and 91 do not appear in the error log, the following errors may have occurred:	
	– There is a cold object on one half of the heating plate.	• Remove the object.
	– One half of the mattress heater is defective.	• Check the WT Power PCB using the Repair Instructions: "Checking the WT Power PCB".
93	The mattress heater has been switched off due to excess temperature (greater than 41.6 °C).	
	There is an external heating source close to the device.	• Remove any external heating sources.
	The mattress heater control of the WT Power PCB is faulty.	• Check the WT Power PCB using the DrägerService Mode: – "Mode d13: Testing the Solid State Relay of the Mattress Heater (Babytherm 8010)" – "Mode d14: Switching the Mattress Heater On/Off (Babytherm 8010)". • Check the WT Power PCB using the Repair Instructions: "Checking the WT Power PCB". • Replace the WT Power PCB, see Repair Instructions: "Replacing the WT Power PCB".
	The WT Sensor PCB is defective.	• Check the WT Sensor PCB in the DrägerService Mode as follows: – "Mode d03: Testing the Mattress Temperature Channel 1 (Babytherm 8010)" – "Mode d05: Testing the Mattress Temperature Channel 3 (Babytherm 8010)". • Replace the WT Sensor PCB, see Repair Instructions: "Replacing the WT Sensor PCB".

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Error	Cause	Corrective Measure
94	The skin-temperature values of skin-temperature measuring channel 1 are too high (approx. 48 °C).	
	Short-circuit fault in skin temperature sensor 1 or the cable connection from the skin temperature sensors to the WT Sensor PCB is defective.	• Check skin temperature sensors and replace them, if necessary.
	The WT Sensor PCB is defective.	• Check the WT Sensor PCB using the DrägerService Mode: "Mode d16: Displaying the Skin Temperature Channel 1 and the Reference Value". • Replace the WT Sensor PCB, see Repair Instructions: "Replacing the WT Sensor PCB".
95	The skin-temperature values of skin-temperature measuring channel 2 are too high (approx. 48 °C).	
	Short-circuit fault in skin temperature sensor 2 or the cable connection from the skin temperature sensors to the WT Sensor PCB is defective.	• Check skin temperature sensor and replace it, if necessary.
	The WT Sensor PCB is defective.	• Check the WT Sensor PCB using the DrägerService Mode: "Mode d17: Displaying the Skin Temperature Channel 2 and the Reference Value". • Replace the WT Sensor PCB, see Repair Instructions: "Replacing the WT Sensor PCB".

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